

# ISDA Invasive Species/Weeds Update

- Update on Watercraft Inspection
- Update on Noxious Weeds Funding

# Invasive Species & Weeds Staff

- Full Time
  - Section Manager – Boise
  - GIS Specialist - Boise
  - Agriculture Program Manager – Coeur d’Alene
  - Agriculture Program Specialists – Boise and Idaho Falls
  - Technician – Boise
  - Admin. Asst. - Boise
- Seasonal Temporary Employees
  - Watercraft Inspection
  - Aquatic IS/Weed Survey

# Cooperators

- Soil & Water Conservation Districts
- County Weed Departments
- Water Delivery
- Idaho Transportation Dept.
- Idaho Department of Parks and Recreation
- Idaho Department of Environmental Quality
- Idaho Department of Fish and Game
- State and local law enforcement
- Federal agencies – USFWS, Forest Service, BLM

# INVASIVE SPECIES

# Invasive Species Prevention

- Invasive Species Council – Executive Order
- Idaho Invasive Species Act – 2008
- Invasive Species Fund – 2009
- First watercraft inspection stations – 2009
  - First state to do statewide watercraft inspection for the purposes of prevention
  - Focus primarily on quagga and zebra mussels and high risk watercraft entering the state from infested waters

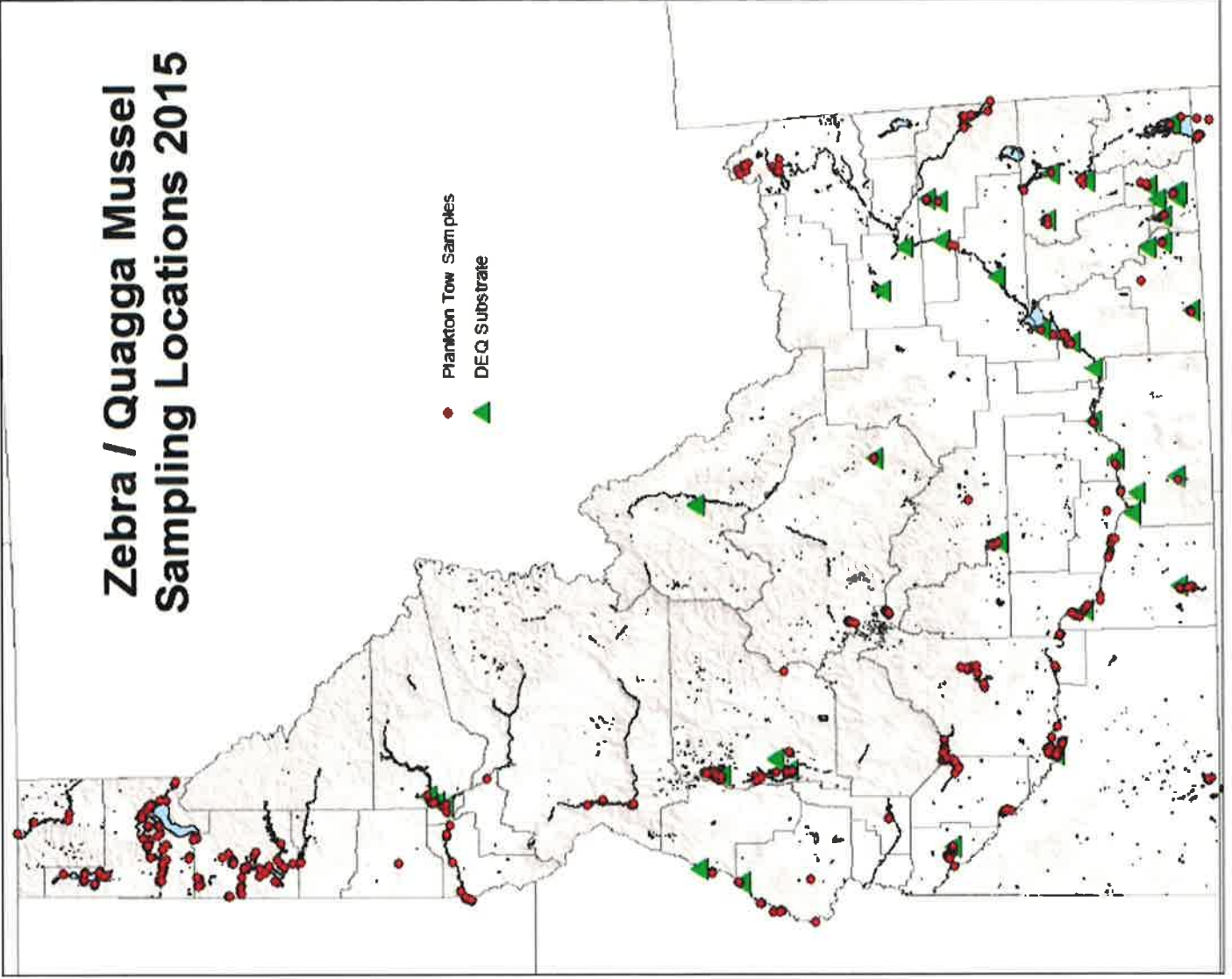


# Watercraft Inspection – Evolution

- When we started, we knew...not much
- Data collection for an informed strategy
- Data analysis for informed decisions
- Responsible and realistic budgeting and planning
- Collaboration with partner agencies
- Safety for employees

# Zebra / Quagga Mussel Sampling Locations 2015

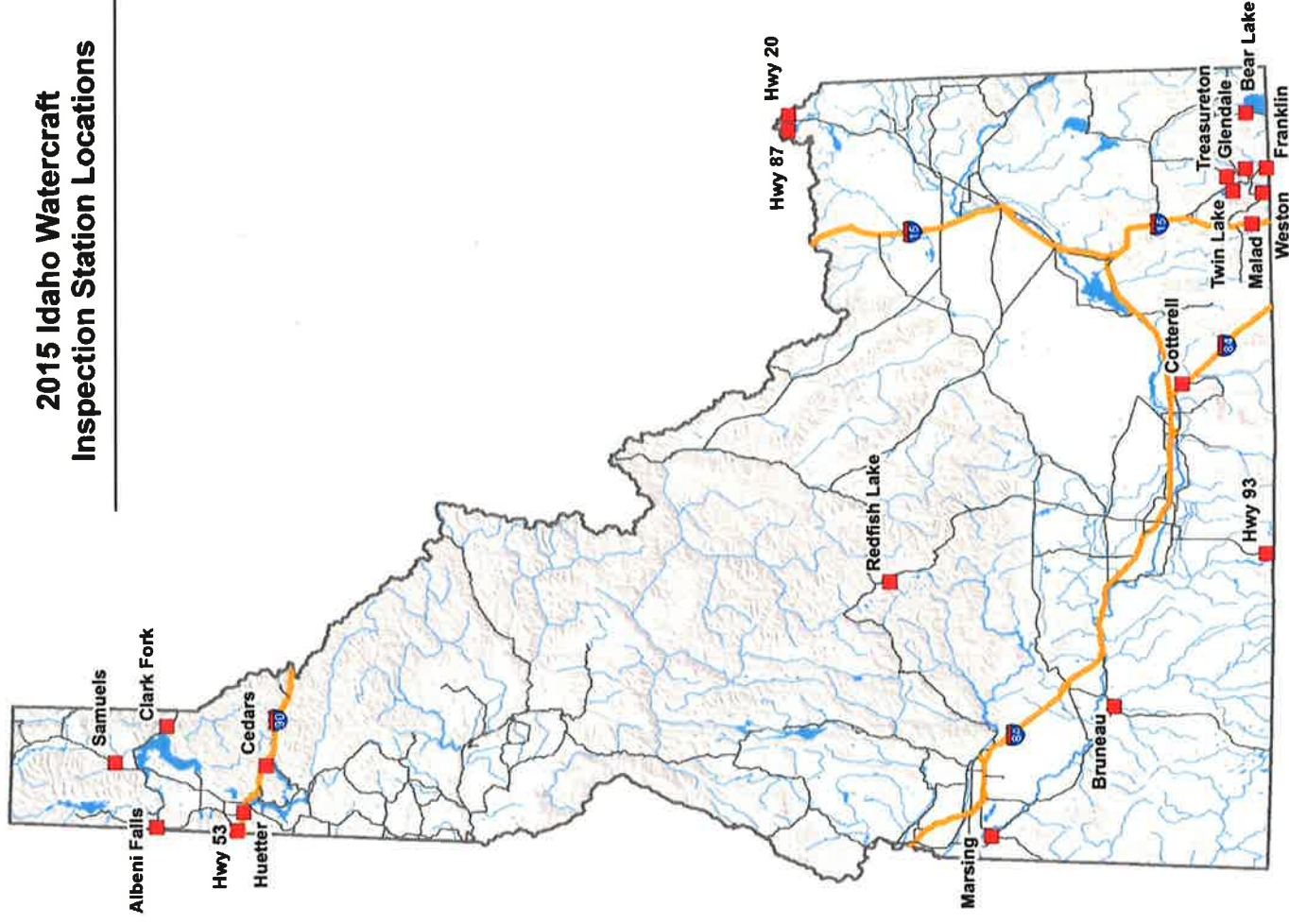
- Plankton Tow Samples
- ▲ DEQ Substrate



# Watercraft Inspection 2015

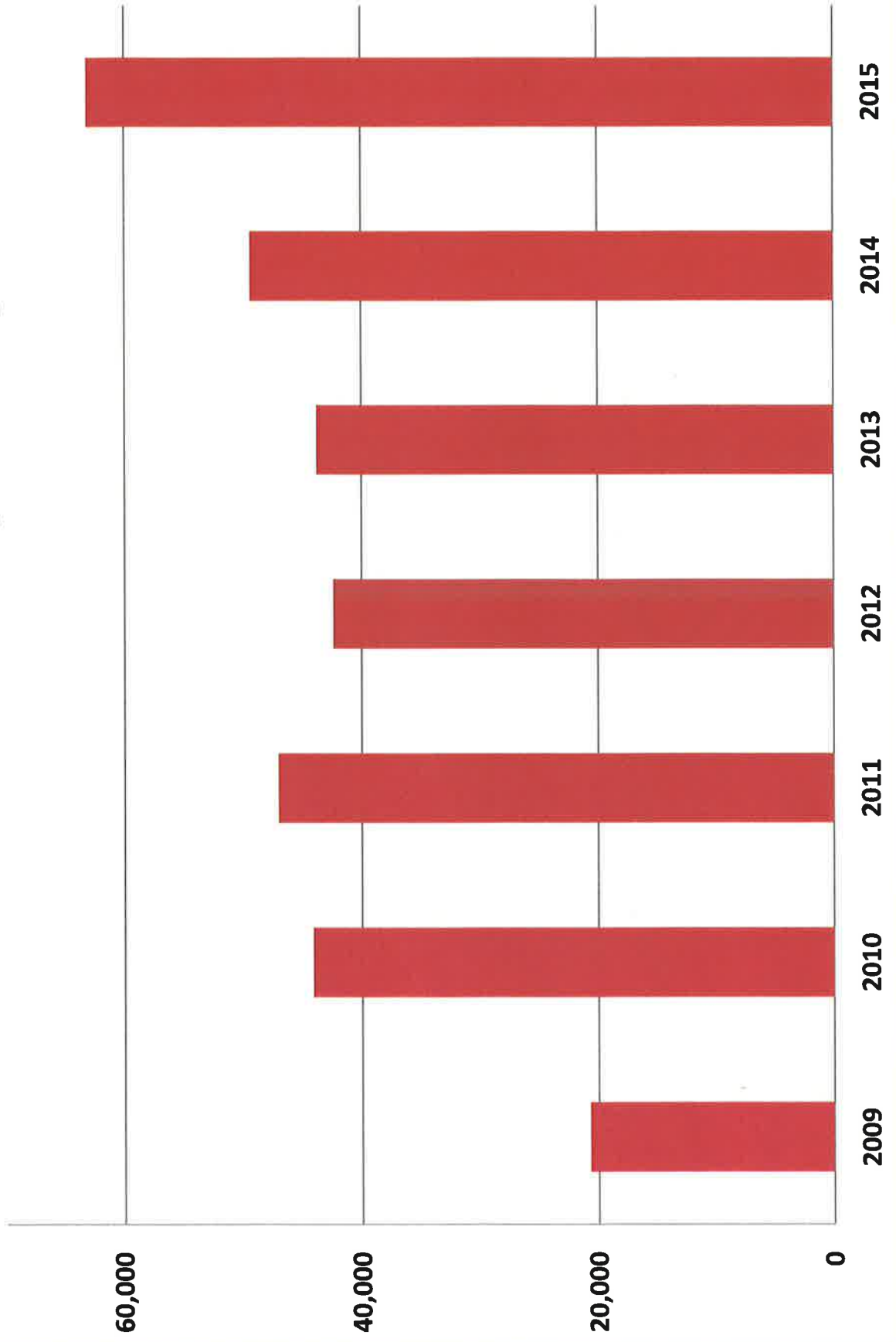
- 20 stations.
- February through September.
- 64,150 inspections.
- Operated primarily by regional partners.

## 2015 Idaho Watercraft Inspection Station Locations

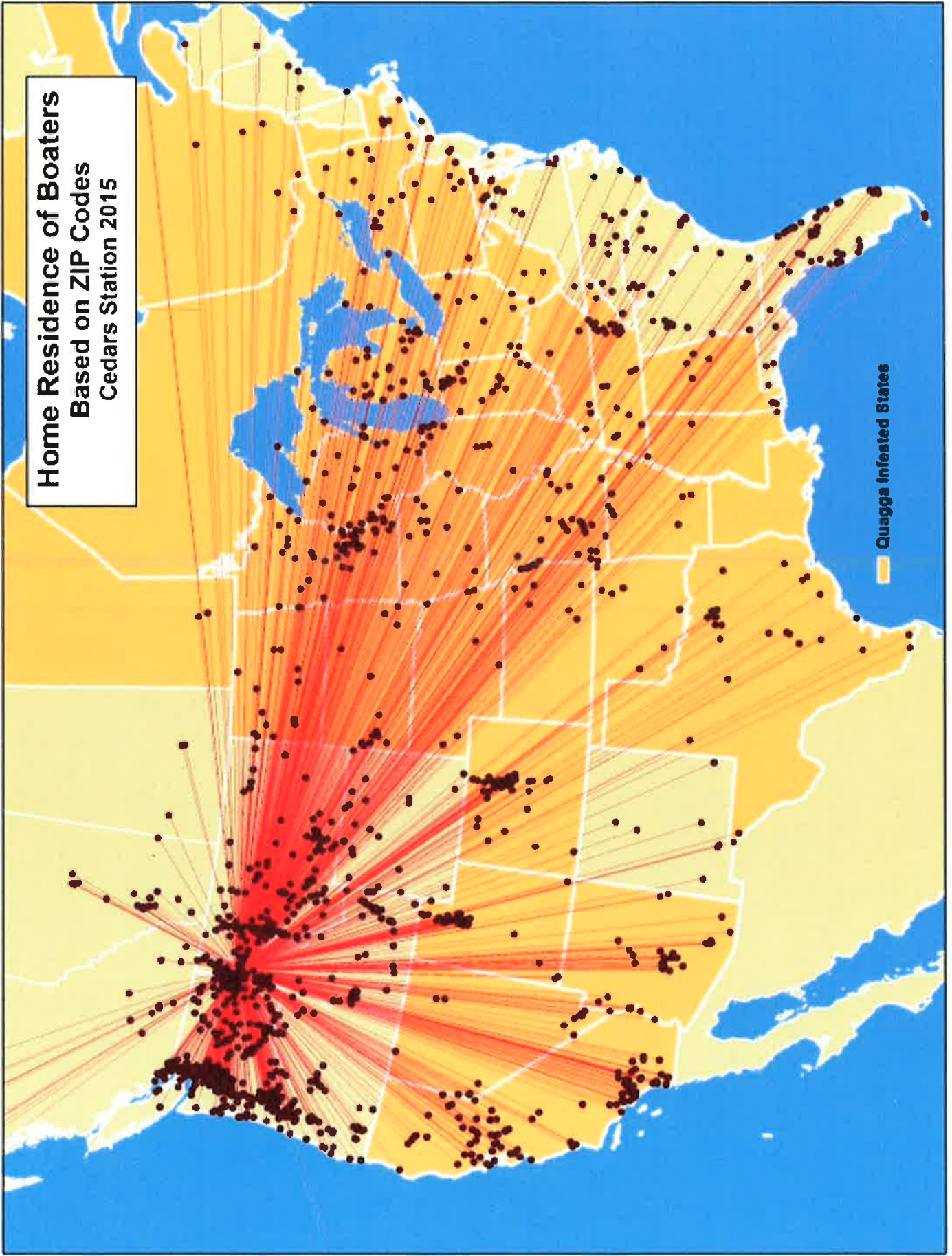




# Number of Watercraft Inspected by Year



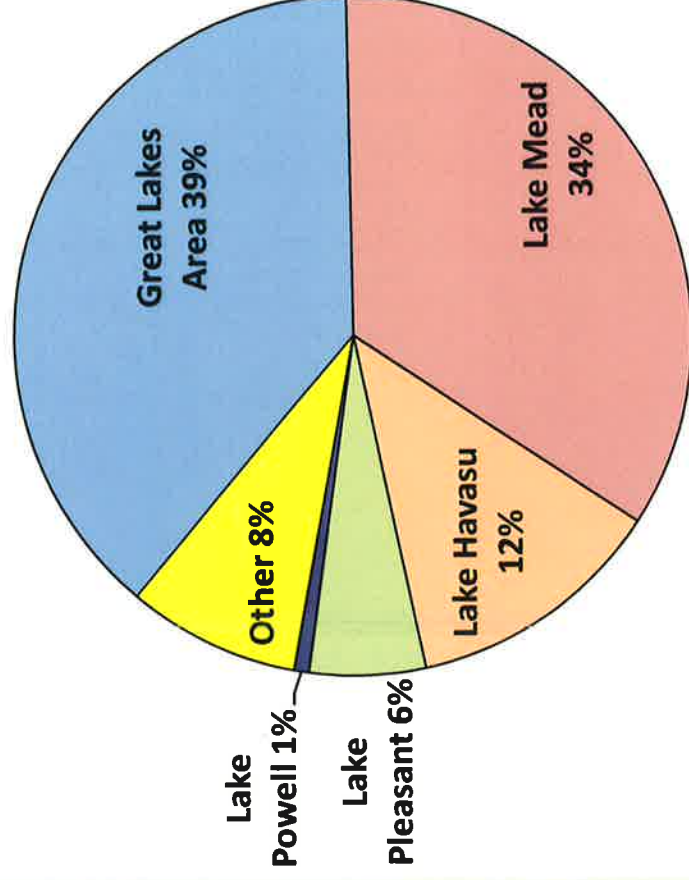
**Home Residence of Boaters  
Based on ZIP Codes  
Cedars Station 2015**



# Zebra / Quagga Mussels

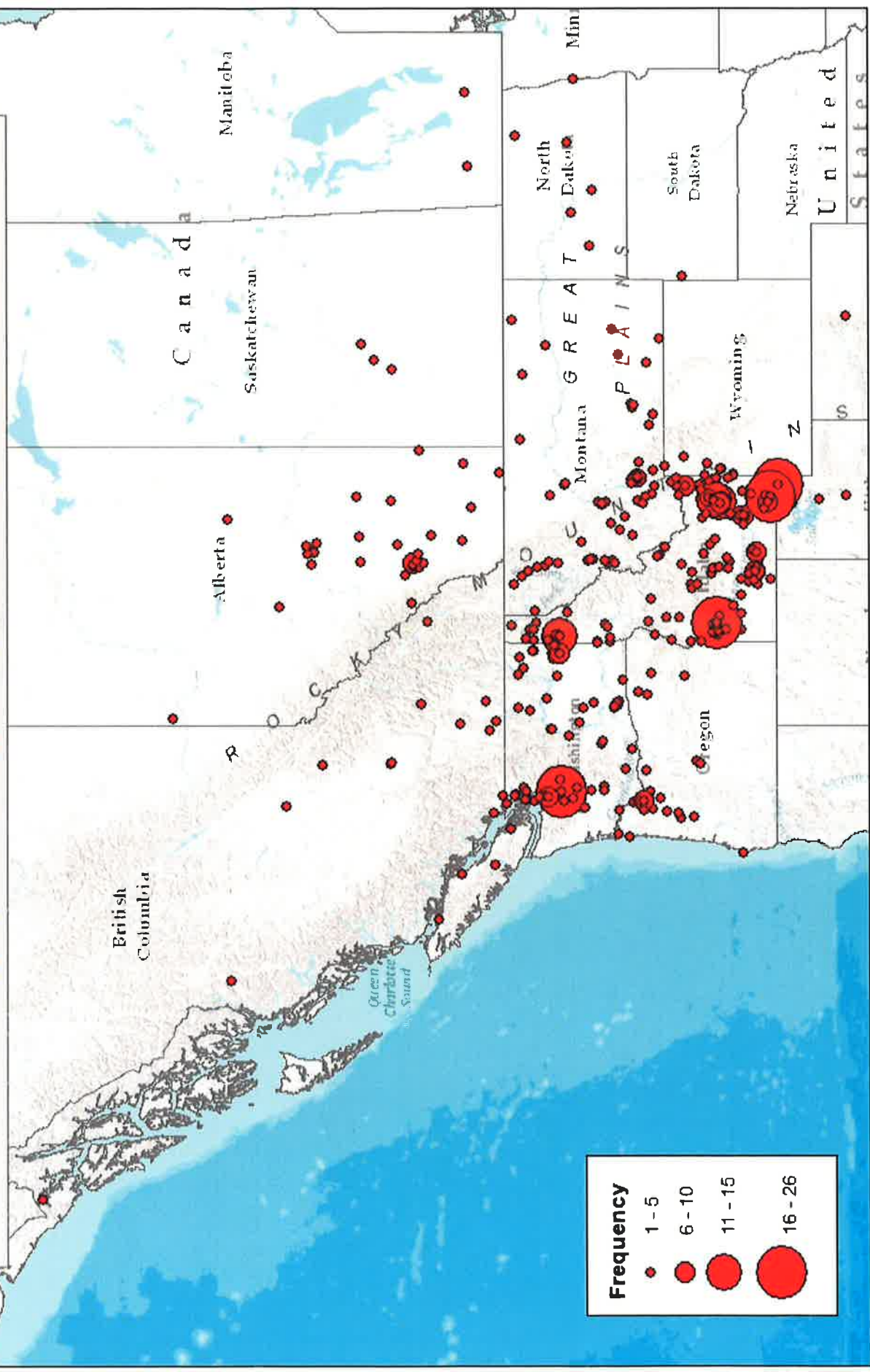
- 145 vessels intercepted with mussels since 2009.
- Similar observations from other NW inspection programs
- Efforts in NV and AZ are beginning to provide notification of boat movement.

Source of Mussel Vessels  
2009 - 2015 (n=145)





# Idaho Watercraft Inspection 2015: Destination Following Recent Visits to Mussel Positive Waters





Date	Origin	Destination	Vessel Type	Out of Water for Less Than 30 Days	Vessel Recently Purchased	Commercial Transport	ISDA Notified Prior to Interception
1/21/2015	Mead Lake, NV	Hagerman, ID	Cabin Cruiser		yes		NDOW
2/20/2015	Mead Lake, NV	Bozeman, MT	Cabin Cruiser 31'	yes	yes		NDOW
3/4/2015	Mead Lake, NV	Post Falls, ID	House Boat 65'	yes	yes	yes	NDOW
3/14/2015	Lake Havasu, AZ	Hope, ID	Pontoon 21'	yes			AZGF
3/17/2015	Lake Pleasant, AZ	Coeur d'Alene, ID	Cabin Cruiser 31'	yes	yes		AZGF
3/23/2015	Lake Havasu, AZ	Hamilton, MT	Pontoon 21'	yes			CDFW
4/19/2015	Clinton, TN	Hayden, ID	Pontoon 26'	yes	yes	yes	
5/5/2015	Mead Lake, NV	Coeur d'Alene, ID	Cabin Cruiser 34'		yes	yes	NDOW
5/26/2015	Lake Michigan, MI	Pend Oreille, ID	Fishing Boat 18'		yes		
5/31/2015	Long Lake, MN	Alpine, WY	Ski Boat		yes		
6/5/2015	Illinois	Vashon Island, WA	Pontoon Boat		yes	yes	
6/16/2015	Erie, PA	Hope, ID	Cabin Cruiser	yes	yes	yes	MTFWP
6/17/2015	Dubuque, IA	St Maries, ID	Floating Barge			yes	ITD
6/17/2015	Dubuque, IA	St Maries, ID	Floating Barge			yes	ITD
6/17/2015	Dubuque, IA	St Maries, ID	Floating Barge			yes	ITD
6/17/2015	Dubuque, IA	St Maries, ID	Floating Barge			yes	ITD
6/19/2015	Bay City, WI	Coeur d'Alene, ID	Pontoon Boat 27'		yes	yes	
6/20/2015	Mullet Lake, MI	Port Orchard, WA	Ski Boat 23'	yes	yes	yes	
7/10/2015	Lake Michigan, MI	Seattle, WA	Sail Boat 32'		yes	yes	MTFWP
7/14/2015	Lake Mead, NV	Woolley, WA	Cabin Cruiser 27'	yes	yes	yes	NDOW
7/20/2015	Lake Mead, NV	Boise, ID	Cabin Cruiser		yes		UTDWR
7/23/2015	Lake Mead, NV	Soda Springs, ID	Pontoon 24'			yes	
9/11/2015	Hudson Lake, IN	Naches, WA	Pontoon	yes	yes		
9/22/2015	Lake George, NY	Boise, ID	Fishing Boat		yes		
10/1/2015	Cheboygan, MI	Post Falls, ID	Cabin Cruiser 31'	yes	yes	yes	ITD
<b>Total: 25</b>				<b>11</b>	<b>18</b>	<b>14</b>	<b>16</b>



Stations 2015	Total Inspections	Weeds	Commercial	Hot Wash	In Mussel Waters in Previous 30 Days	Mussel Fouled Vessels 2015	Mussel Fouled Vessels 2009-2015
Albeni Falls	6,104	2	1	2	4	1	2
Bear Lake	3,300	2	7	23	24		
Bruneau	2,870	6	1	7	8		3
Cedars	7,256	56	418	29	61	5	43
Clark Fork	3,284	12	4	5	7	2	2
Cotterell	2,436	5	258	107	201	1	10
Franklin	2,659	3	6	16	26	1	2
Glendale	1,584	9	1	3	11		
Huetter	9,943	65	90	5	7		3
Hwy 20	5,199	53	4	5	17		
Hwy 53	3,225	16	0	1	1		
Hwy 87	2,374	3	11	11	6	1	1
Hwy 93	1,423	0	32	167	161	1	16
Malad	3,699	1	14	231	274	2	17
Marsing	1,126	13	8	13	19		2
Redfish Lake	1,799	23	0	26	3		1
Roving Crew	928	13	0	3	2		
Samuels	3,165	11	3	3	0		
Treasureton	22	0	0	0	0		
Twin Lake	1,562	3	3	2	4		
Weston	199	0	0	1	3		
Port of Entry / House Calls						11	43
Total	64,157	296	861	660	839	25	145

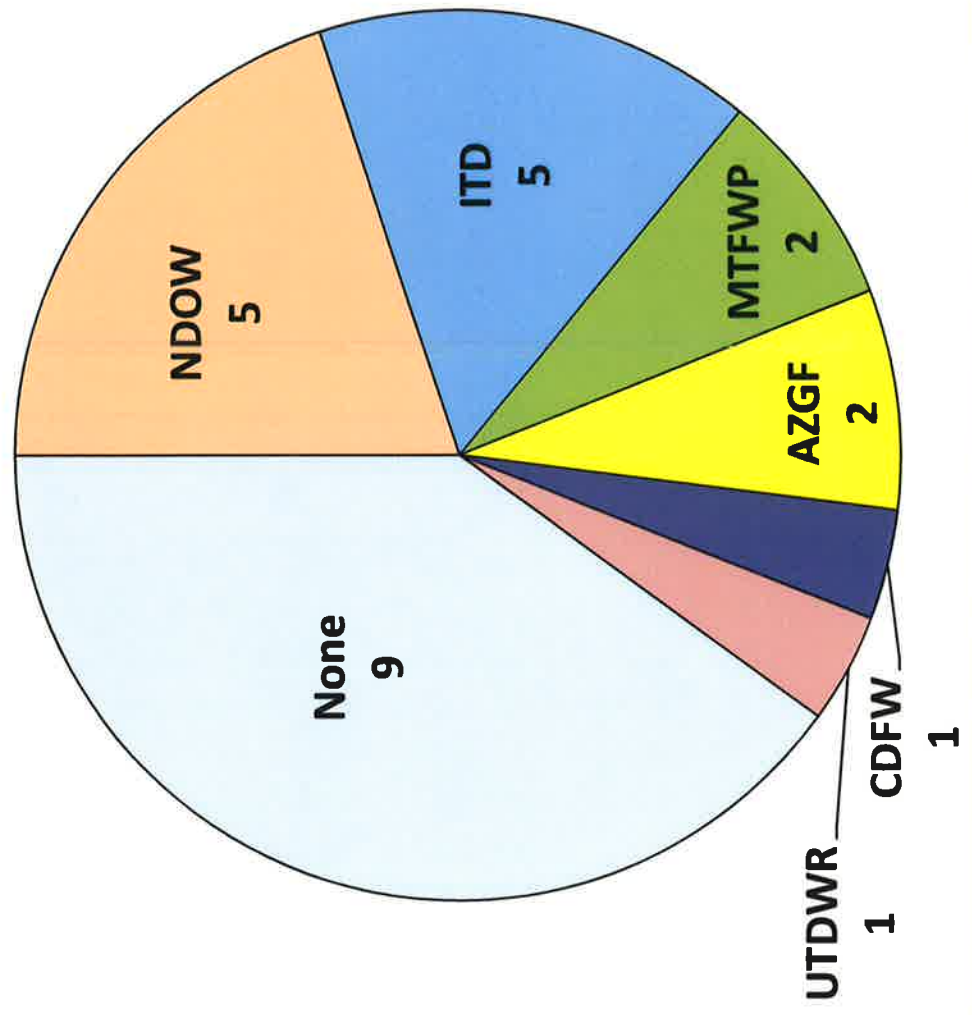
# Destination Notification

- Notification is the best way to ensure vessels are not transporting AIS.
  - Coordinate inspection upon arrival.
  - Decontaminate if necessary.
  - Held harmless under Idaho law.
- Roadside inspection stations don't see everything.

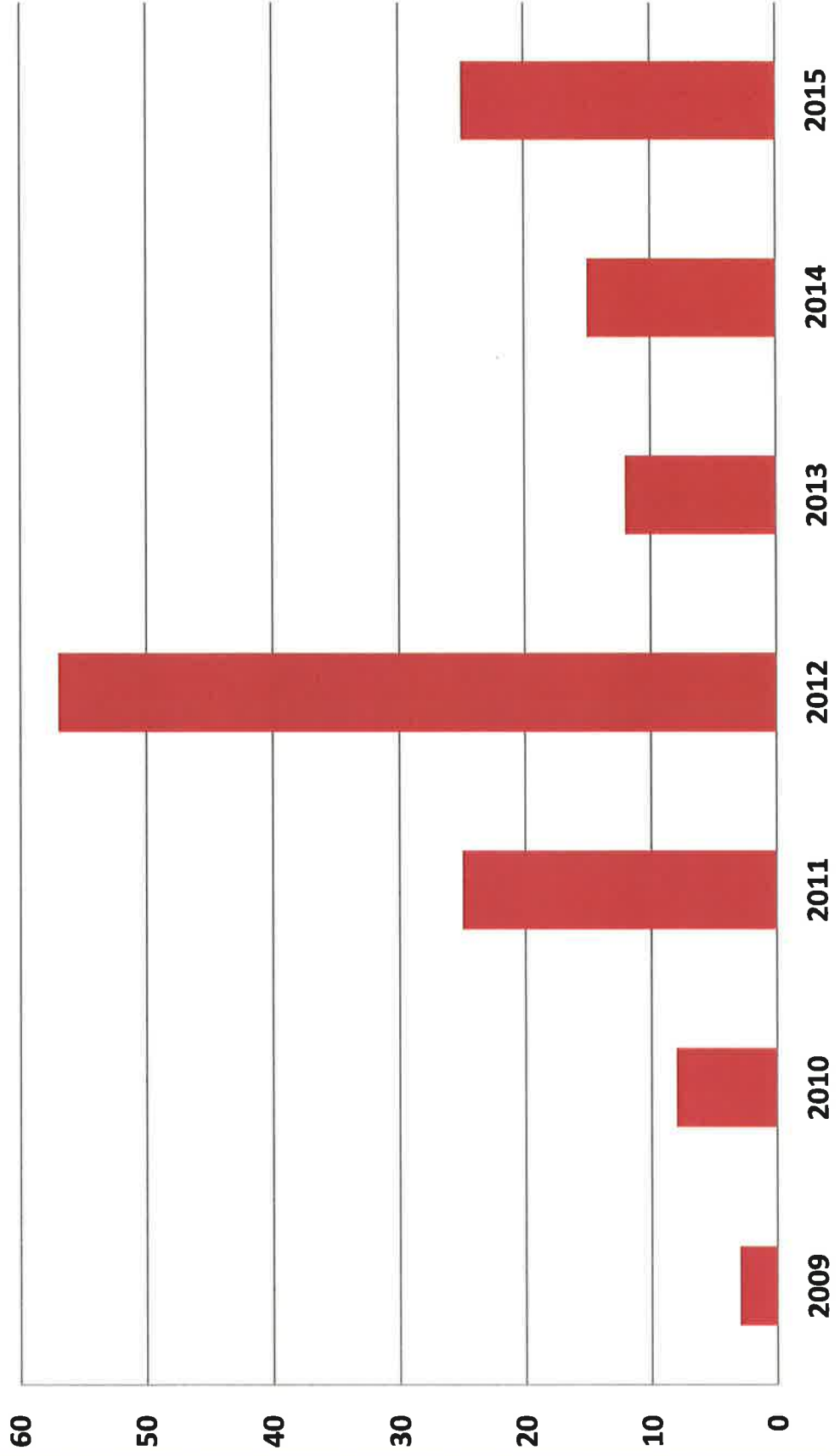




# Previous Notification of Mussel Fouled Vessels 2015 (n=25)



# Mussel Fouled Vessels Intercepted by Year in Idaho

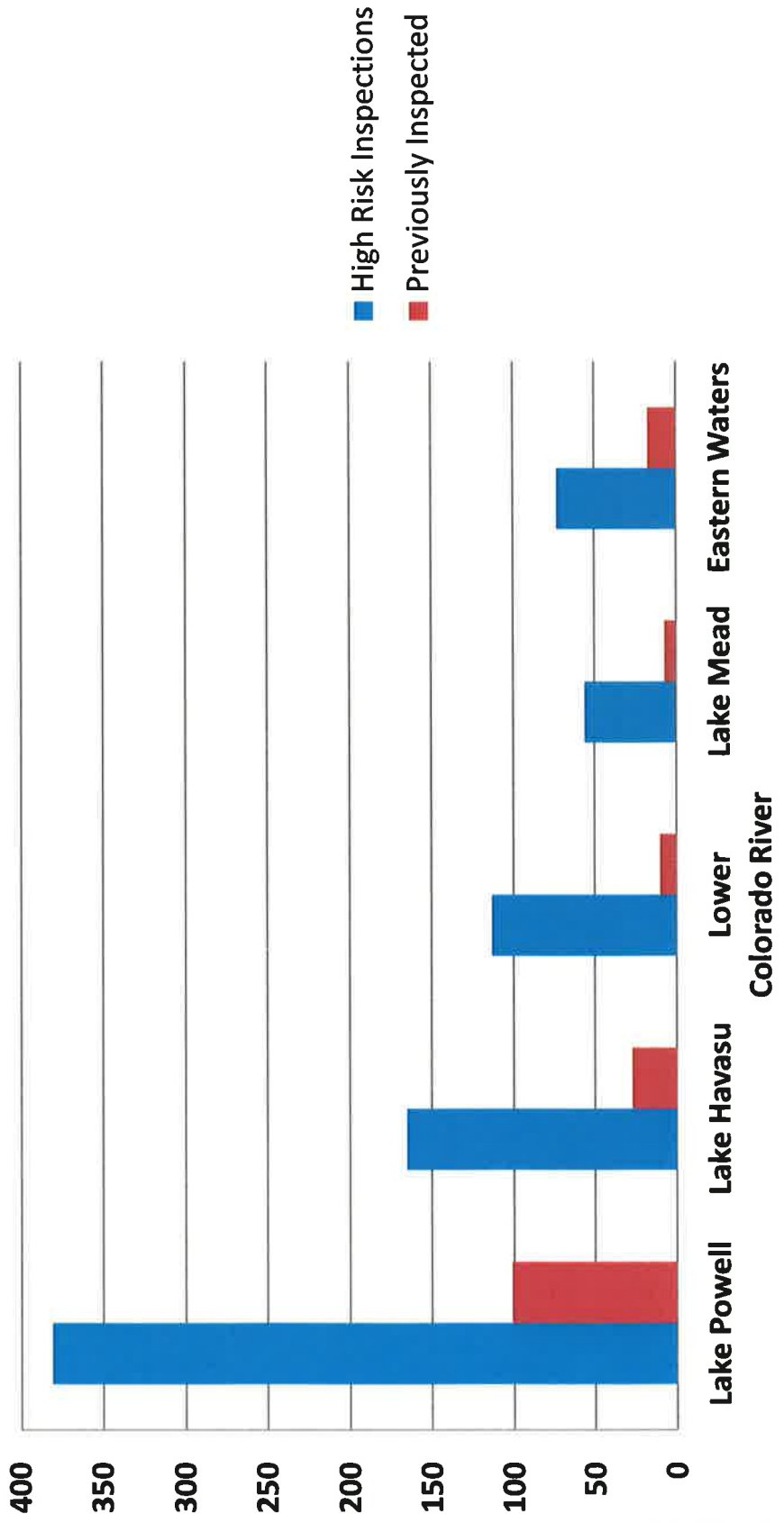


# High Risk Watercraft

Final Watercraft Inspection Data 2015: Vessels that Visited Mussel Positive Waters in the Previous 30 Days

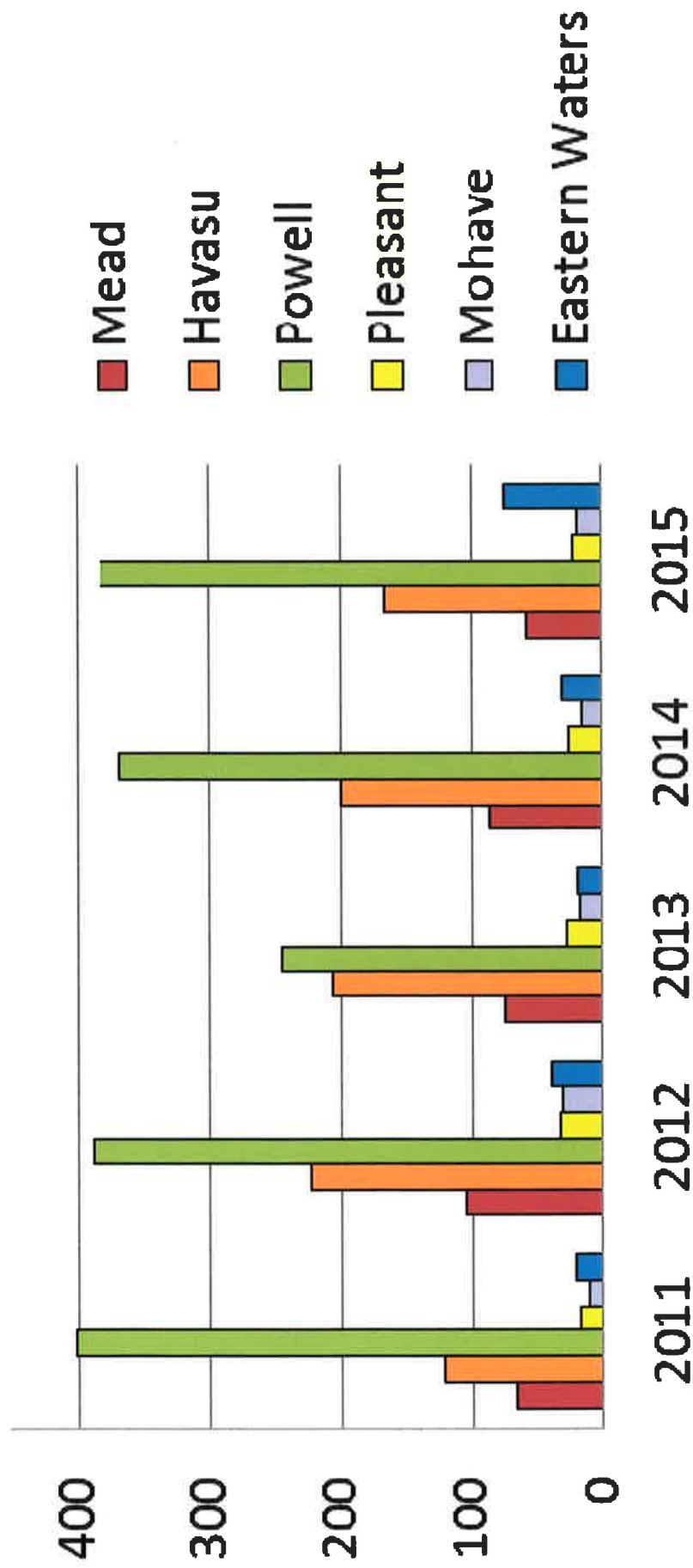
Waterbody	Number of Boats	Percent of Total High Risk	Percent Previously Inspected	Average Days In	Average Days Out	Percent Non-Motorized
Lake Powell	381	46	27	5	6	7
Lake Havasu	165	20	16	25	7	8
Colorado River Above Mead	60	7	5	11	7	73
Colorado River Below Mead	53	6	13	26	8	28
Lake Mead	56	7	14	18	9	9
Lake Pleasant	23	3	9	46	13	4
Lake Mohave	19	2	11	12	11	5
Eastern Waters	73	9	23	20	11	26

# Mussel Waters Visited in Previous 30 Days Idaho Watercraft Inspection 2015

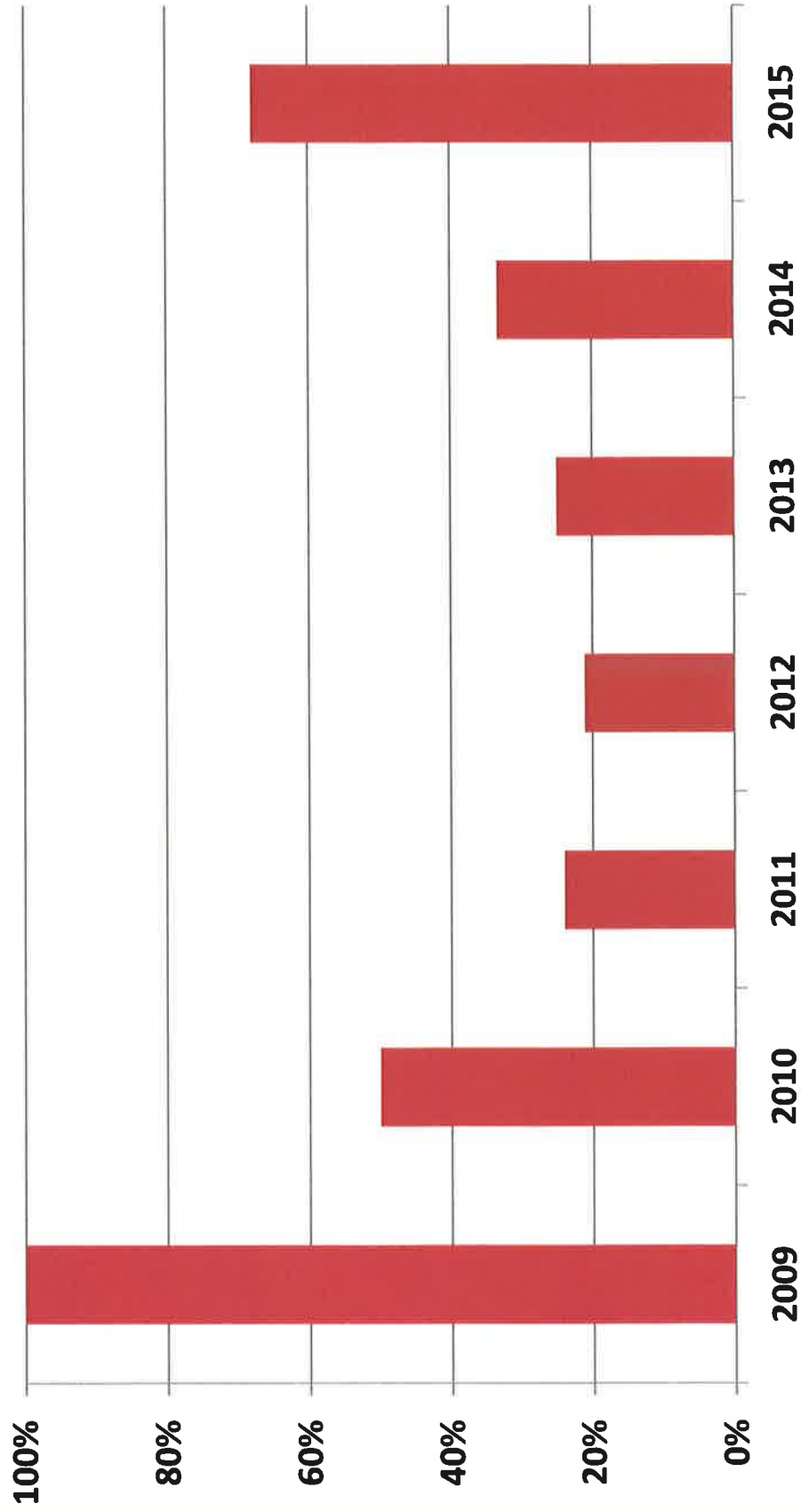




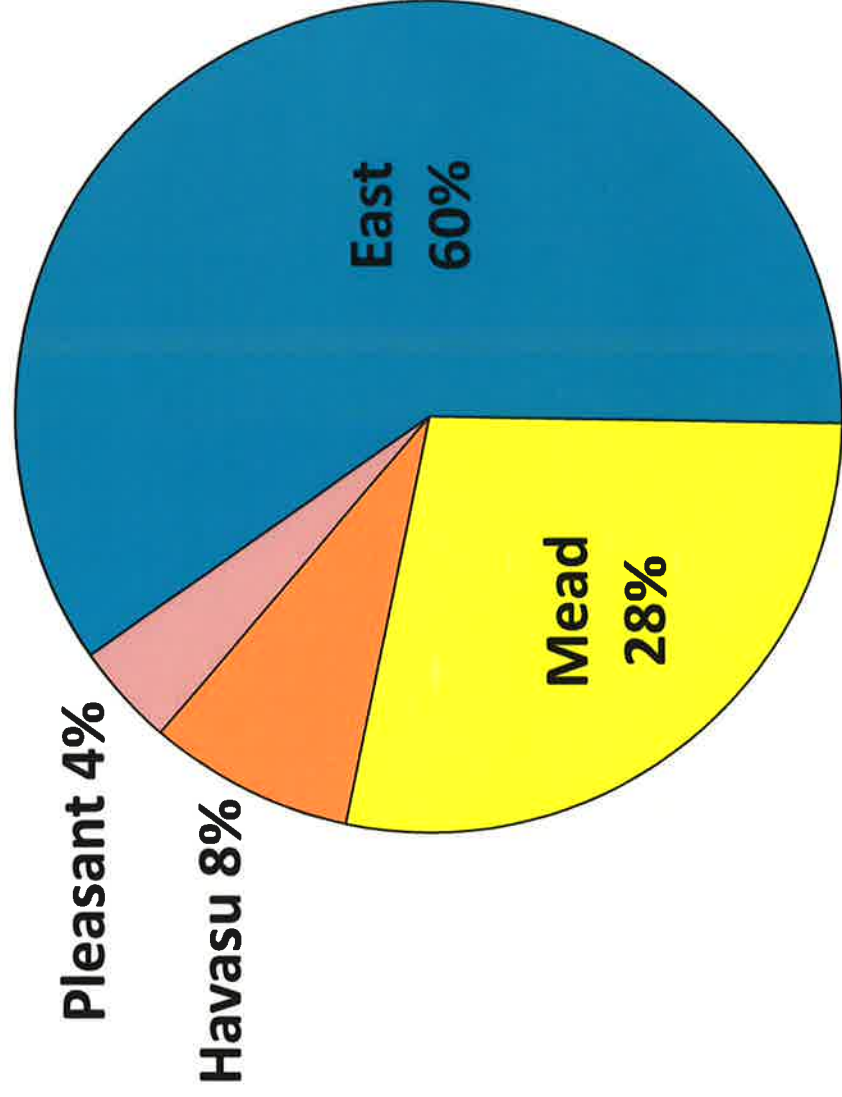
## Mussel Positive Waterbodies Visited in the Previous 30 Days



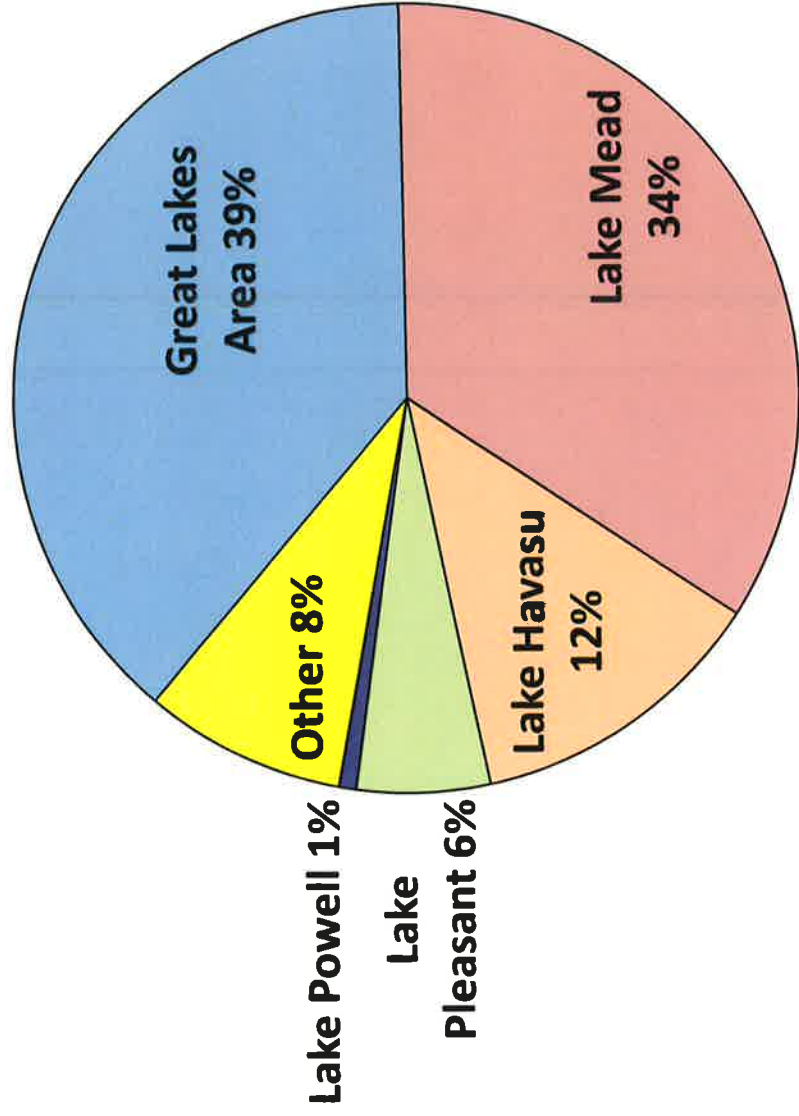
# Intercepted Mussel Vessels Destined for Idaho



# Mussel Fouled Vessel Source 2015 (n=25)

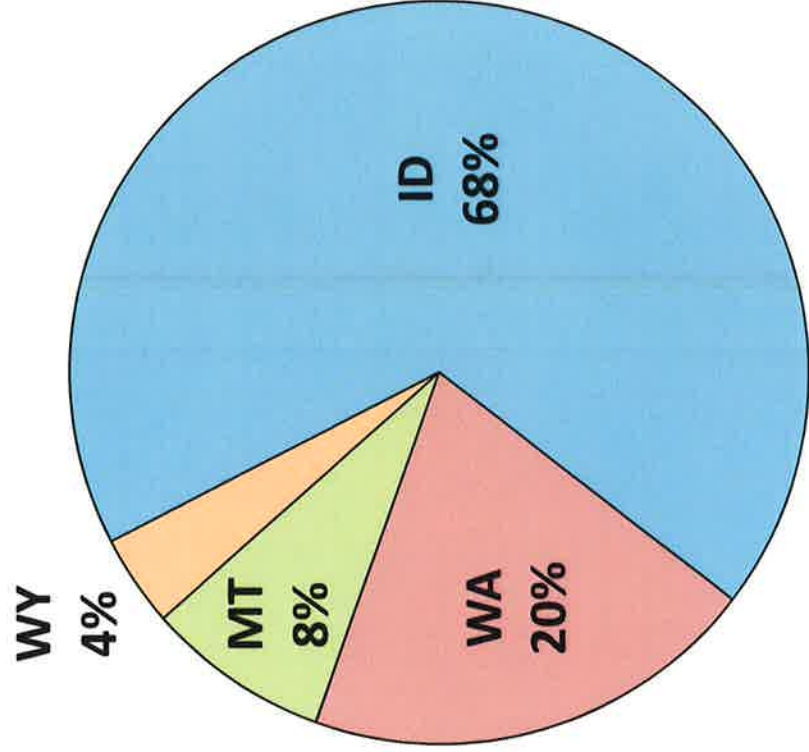


# Source of Mussel Vessels 2009 - 2015 (n=145)

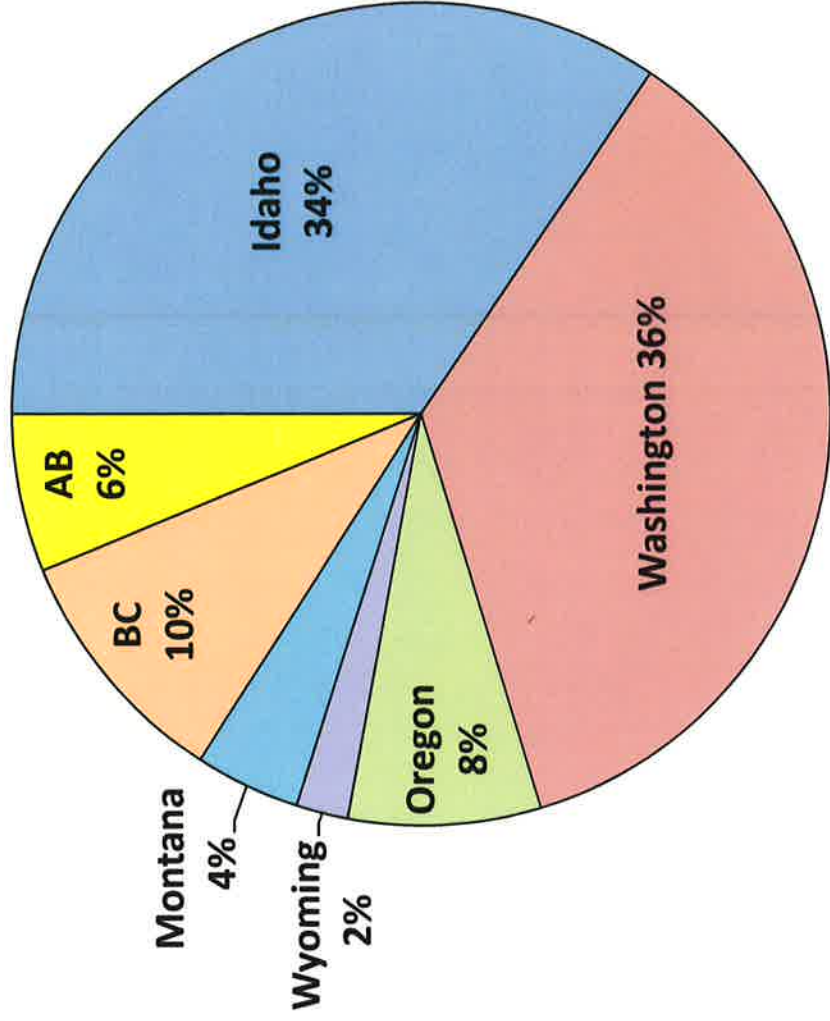




# Mussel Fouled Vessel Destination 2015 (n=25)



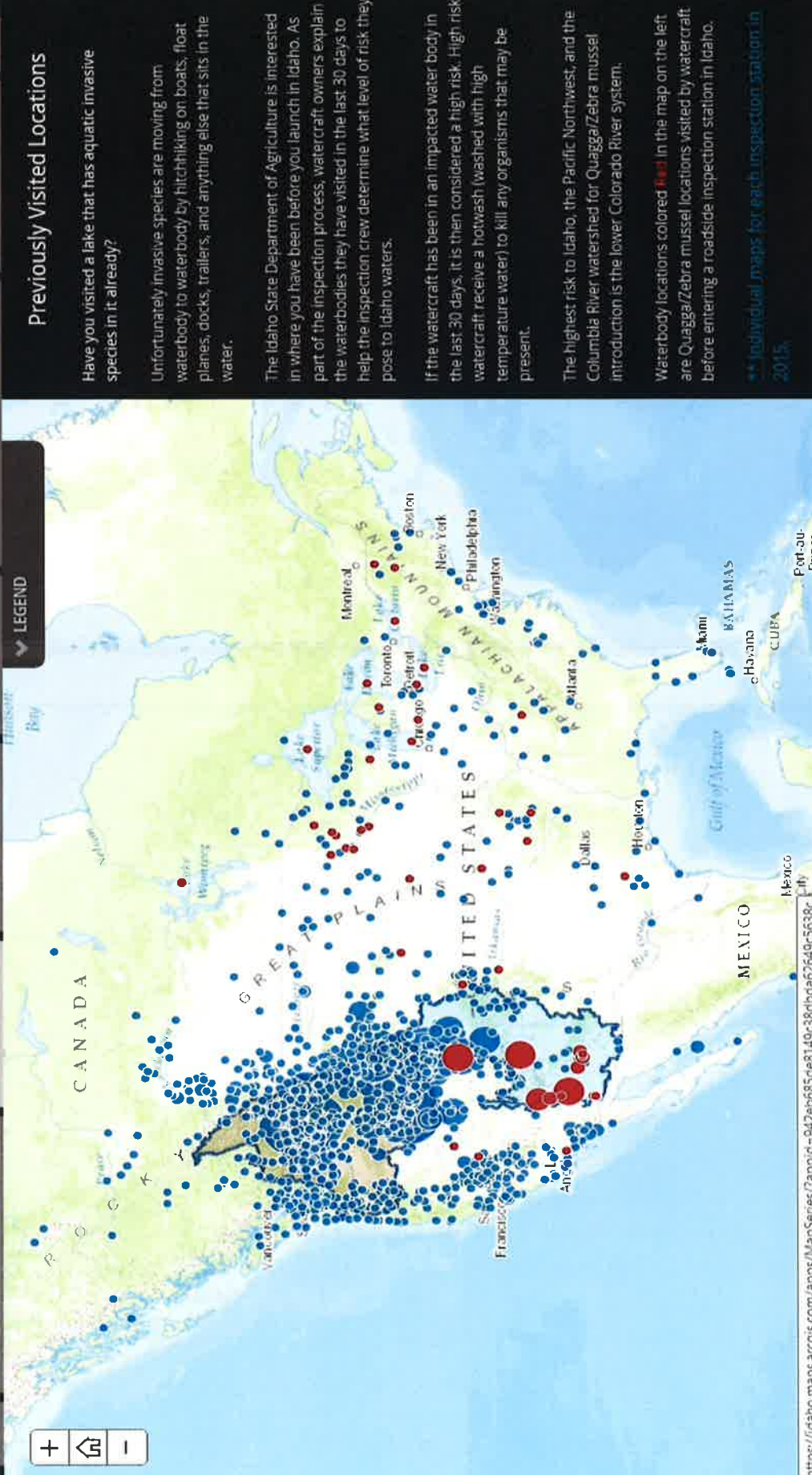
# Destination of Mussel Vessels 2009 - 2015 (n=145)



# Protecting Idaho's Waters From Aquatic Invasive Species - 2015 Field Season

Idaho State Department of Agriculture

- Intro
- Inspection Station Locations 2015
- Previously Visited Locations
- Destination Locations
- Home Residences
- Home Residence by State/Province
- Additional Inspections



## Previously Visited Locations

Have you visited a lake that has aquatic invasive species in it already?

Unfortunately invasive species are moving from waterbody to waterbody by hitchhiking on boats, float planes, docks, trailers, and anything else that sits in the water.

The Idaho State Department of Agriculture is interested in where you have been before you launch in Idaho. As part of the inspection process, watercraft owners explain the waterbodies they have visited in the last 30 days to help the inspection crew determine what level of risk they pose to Idaho waters.

If the watercraft has been in an impacted water body in the last 30 days, it is then considered a high risk. High risk watercraft receive a hotwash (washed with high temperature water) to kill any organisms that may be present.

The highest risk to Idaho, the Pacific Northwest, and the Columbia River watershed for Quagga/Zebra mussel introduction is the lower Colorado River system.

Waterbody locations colored **red** in the map on the left are Quagga/Zebra mussel locations visited by watercraft before entering a roadside inspection station in Idaho.

[Individual maps for each inspection station in 2015.](#)



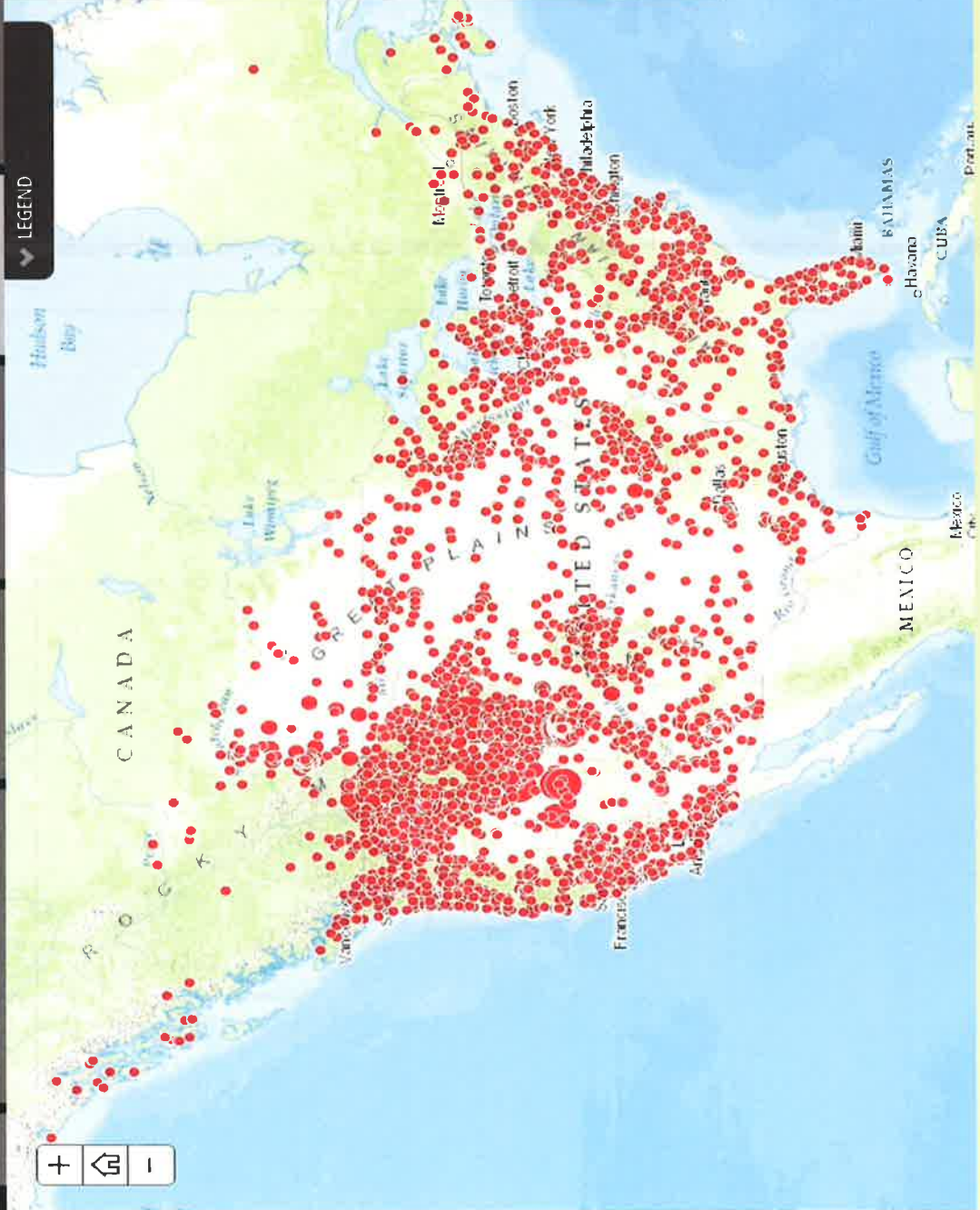
# Protecting Idaho's Waters From Aquatic Invasive Species - 2015 Field Season

## Home Residence of Watercraft Owners By ZIP Code

Watercraft owners travel long distances to recreate. Whether they know it or not, they can potentially be transporting non-native aquatic invasive species as they recreate.

During the inspection process watercraft owners are asked what their home residence ZIP code is. This allows the Idaho State Department of Agriculture to map the long distances that people travel, and determine areas of high volume.

This understanding of where the boating public is coming from allows the department to determine if the roadside inspection stations are placed in the best locations.





# How Do We Know?

- Signs at all stations
- Signs at all borders
- Outreach and  
Education

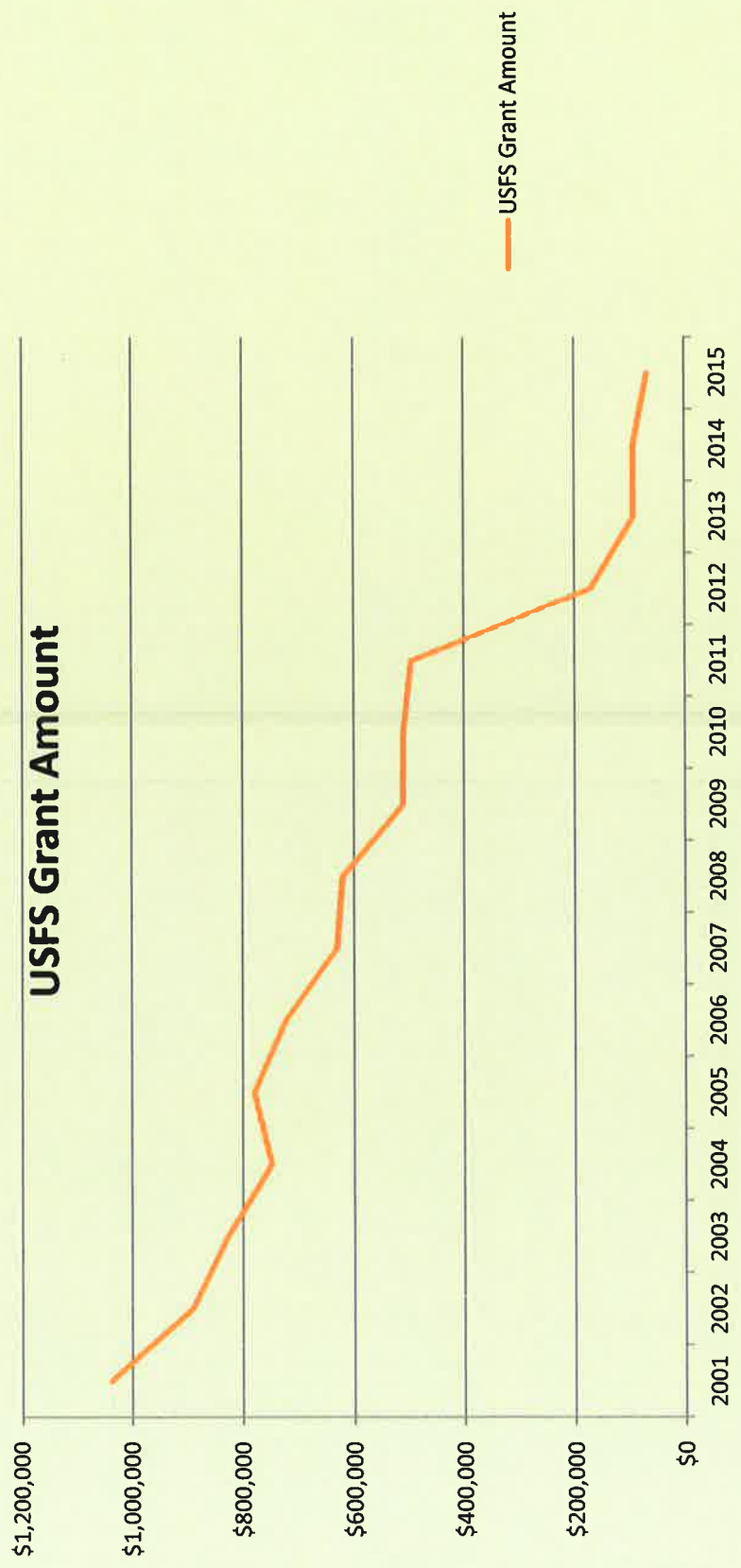


IDAHO STATE LAW  
ALL  
WATERCRAFT  
MUST STOP

OPEN

# NOXIOUS WEEDS

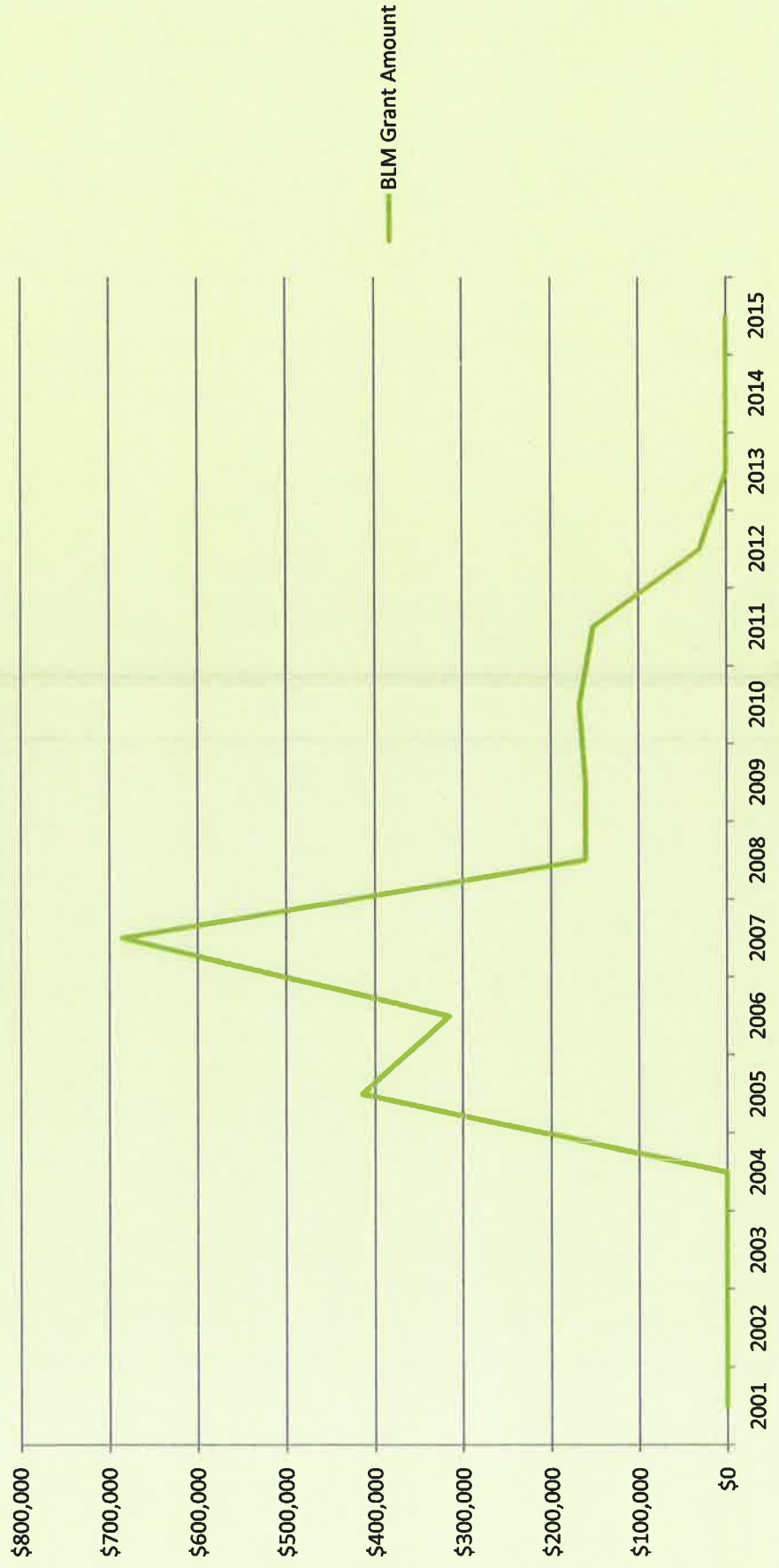
# Noxious Weeds Cost Share Forest Service 2001-Present



# Noxious Weeds Cost Share BLM

## 2001-Present

BLM Grant Amount



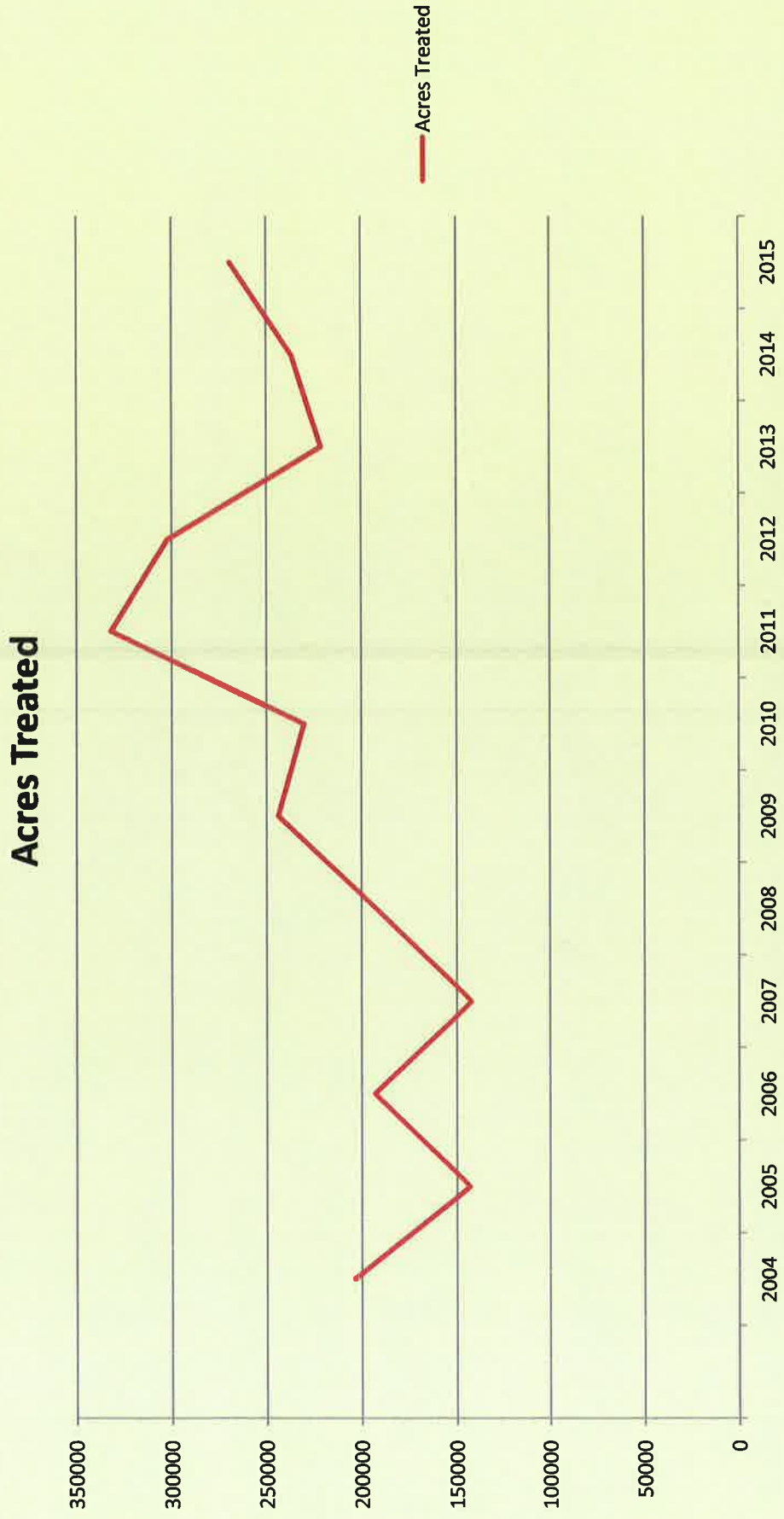


# Noxious Weeds Cost Share General Fund 2001-Present

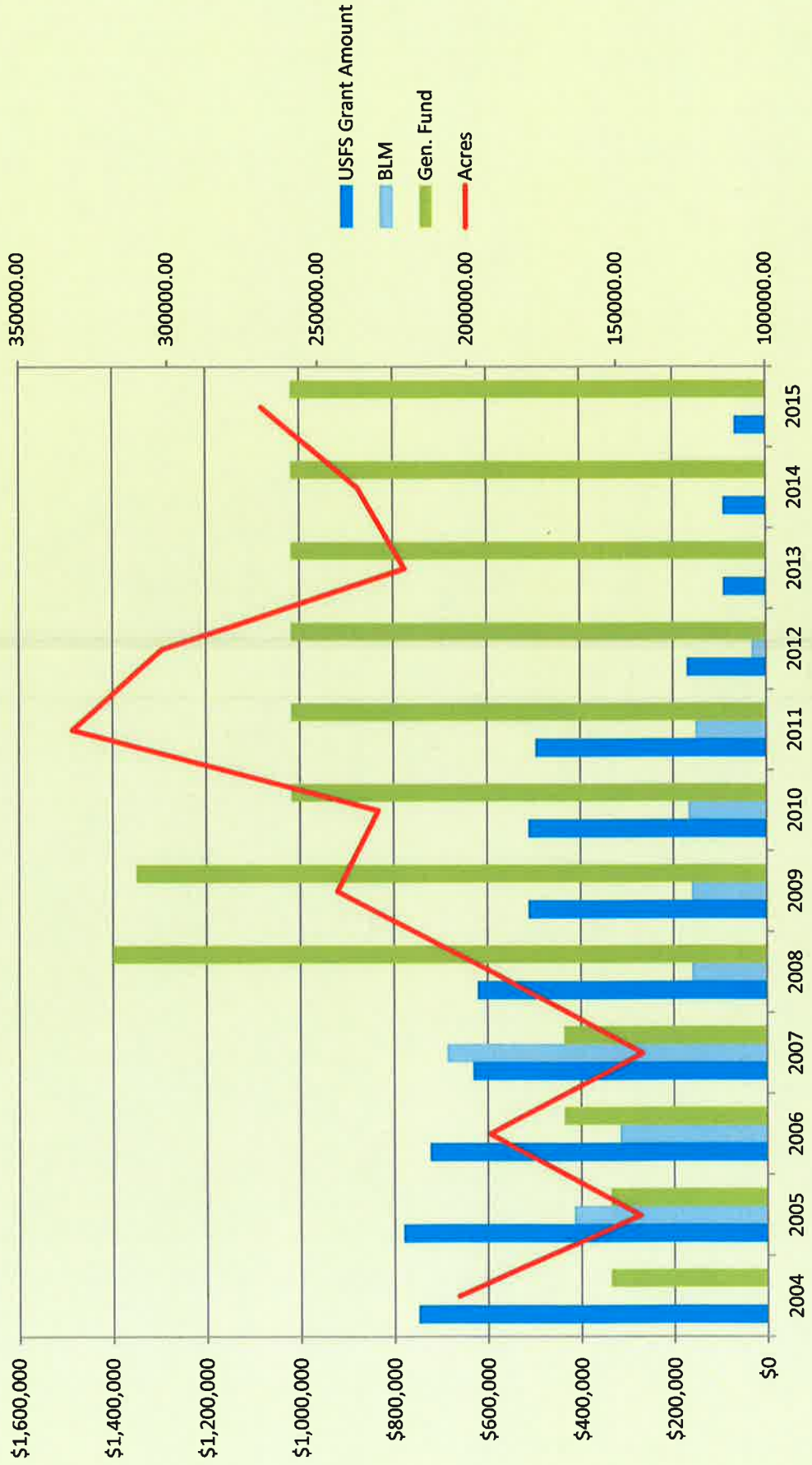
General Fund



# Noxious Weeds Cost Share Acres Treated 2004-Present



# Noxious Weeds Cost Share Combined Funding and Acres Treated 2004-Present



# 2009-2011 Idaho BLM Stimulus Program

- Funds Awarded: \$1.3 Million
- Counties that Participated: 29
- Hours Worked: 30,777
- Acres of Noxious Weeds Controlled: 11,192





# 2009-2013 Idaho Forest Service Stimulus Program



- **Funds Awarded: \$4.4 Million**
- **Counties that Participated: 6**
- **Hours Worked: 184,596**
- **Acres of Noxious Weeds Controlled, Revegetated & Fuels Reduced: 19,519**



# Cost Share Review Committee

- Director's Memo – 2008
  - No General Fund for Labor
  - No General Fund for County Outreach/Education
  - General Fund focus on killing weeds w/in Idaho
- Cost Share Review Committee – 2008
  - Formed at request of weed control community
  - 6 members from either IWCA, IWCC, or IAWCS
  - 2 at large positions – one county weed sup, one federal position
  - Review projects and recommend to the Director

## Noxious Weeds Cost Share – County Duties

22-2405. COUNTY DUTIES. (1) The county control authority shall:

(b) Establish and maintain a coordinated program for control of noxious weeds in the county; employ a county weed superintendent, who may be a superintendent for more than one (1) county and who shall be qualified to detect and treat noxious weeds; and...

(d) Provide operational and educational funds for the county weed superintendent; and

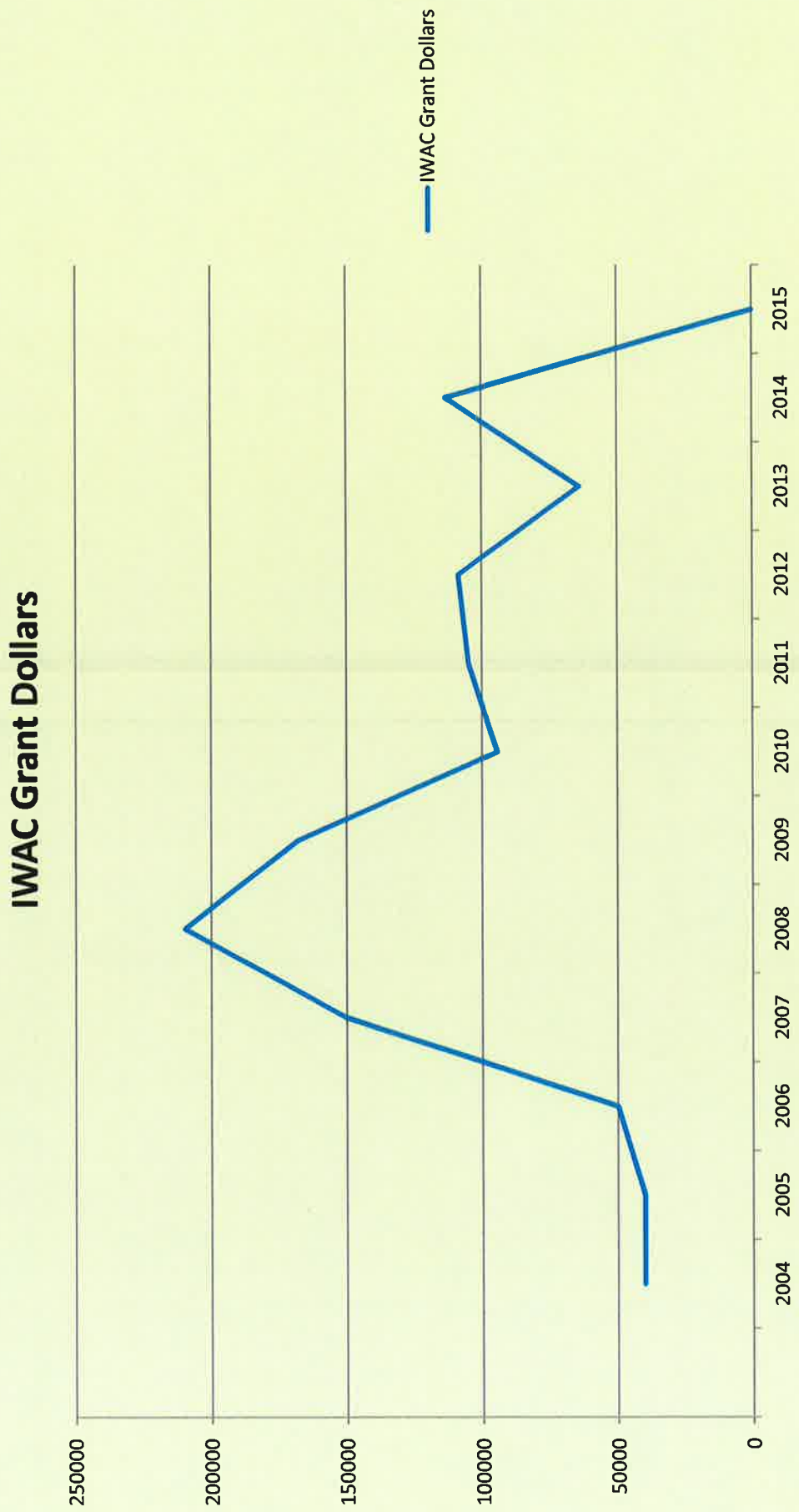
# Cost Share Review Committee

- Program Standards for 2016
  - No “education, outreach, or awareness” funding requests
  - No giveaways of free herbicide to landowners with cost share funds. Recommend landowner purchase for reimbursement for a percentage
  - Chemical purchased for private property only; not local, state, or federal lands
  - No county Rights of Way



# Idaho Weed Awareness Campaign Funding History

## Cost Share Dollars



# Outreach and Education Campaign

- Cost Share Review Committee
  - Correspondence with IWAC prior to 2015
  - 2015 decision to not fund IWAC
    - ISDA met with committee twice after that decision
- ISDA Developing a Statewide Outreach Campaign
  - Includes Noxious Weeds and Invasive Species
  - Statewide Contract

# CLEAN DRAIN DRY YOUR BOAT

HELP STOP THE SPREAD OF  
INVASIVE SPECIES

